



Copyright, 1896, by Garrett P. Serviss.

It is impossible that the stupendous events which followed the disastrous invasion of the earth by the Martians should go without record, and the circumstances having placed the facts at my disposal, I deem it a duty, both to posterity and to those who were witnesses of and participants in the avenging counterstroke that the earth dealt back at its ruthless enemy in the heavens, to write down the story in a connected form.

The Martians had nearly all perished, not through our puny efforts, but in consequence of disease and the few survivors fled in one of their projectile cars, inflicting their cruellest blow in the act of departure.

They possessed a mysterious explosive, of unimaginable puissance, with whose aid they set their car in motion for a leap from a point in Bergen county, N. J., just back of the Palisades.

The force of the explosion may be imagined when it is recollected that they had to give the car a velocity of more than seven miles per second in order to overcome the attraction of the earth and the resistance of the atmosphere. The shock destroyed all of New York that had not already fallen a prey, and all the buildings yet standing in the city, including the city hall, were in ruins.

The Palisades tumbled in vast sheets, starting a tidal wave in the Hudson that drowned the opposite shore.

The victims of this ferocious explosion were numbered by hundreds. A shock, transmitted through the rocky frame of the globe, was recorded by seismographic pendulums in England and on the continent of Europe.

The terrible results achieved by the invaders had produced everywhere a mingled feeling of consternation and hopelessness. The devastation was widespread. The death-dealing engines which the Martians had brought with them had proved irresistible and the inhabitants of the earth possessed nothing capable of countering against them. There had been no action for the great cities, no protection even for the open country. Everything had gone down before the savage onslaught of those merciless invaders from space. Savage ruins covered the sites of many formerly flourishing towns and villages, and the broken walls of great cities stared at the heavens like the exhumed skeletons of Pompeii. The awful accident had extirpated pastures and meadows and dried up the very springs of fertility in the earth, where the soil had been some parts of the devastated land pestilence broke out; elsewhere there was famine. Despondency, black as night, brooded over some of the fairest portions of the globe.

Yet all had not been destroyed, because all had not been reached by the withering hand of the destroyer. The Martians had not had time to complete their work before they themselves fell a prey to diseases that carried them off at the very culmination of their triumph.

From those lands which had, fortunately, escaped invasion, relief was sent to the sufferers. The aid of pity and charity exceeded anything that the world had known. Differences of race and religion were swallowed up in the universal sympathy which was felt for those who had suffered so terribly from an evil that was as unexpected as it was unimaginable.

But the worst was not yet. More dreadful than the actual suffering and the scenes of death and devastation which everywhere the conquerors had wrought, was a profound mental and moral depression that followed. This was shared even by those who had not been directly involved in this universal despair, and it became tenfold blacker when the astronomers announced from their observatories that the earth was visible, moving and shining upon the red surface of the Planet of War. These mysterious appearances could only be explained in the light of past experience to mean that the Martians were preparing for another invasion of the earth. The doubt that with the incredible powers of destruction at their command they would this time make their work complete and final.

This startling announcement was the more pitiable in its effects because it was the work of a few of the most temperaments who had already begun the labor of restoration amid the ruins of their devastated homes. It was this feeling of hope and confidence, this determination to rise against disaster and to wipe out the evidence of its heinous presence as quickly as possible, had especially manifested itself. Already a considerable amount of capital subscribed for the reconstruction of the destroyed bridges over the East river. Already architects were busily at work planning new houses, hotels and apartment-houses; new churches and new cathedrals on a grander scale than before. The city of the future was being planned, and the new life of the city was being prepared to deal with a death blow. The sudden revulsion of feeling that followed the discovery of the Martians on the earth, the scenes that followed were indescribable. Men lost their reason. The faint heartedness of the suspense and self-doubt of its heinousness and the knowledge that it was not what it seemed to be.

But there was a gleam of hope of which the general public as yet knew nothing. It was due to a few dauntless men of science, conspicuous among whom were Lord Kelvin, the discoverer of the famous X-ray, and especially Thomas A. Edison. These men and a few others had examined with the utmost care the engines of war, the flying machines, the generators of mysterious destructive forces that the Martians had produced, with the object of discovering, if possible, the sources of their power.

Suddenly from Mr. Edison's laboratory at Orange named the starting laboratory that he had not only discovered the manner in which the invaders had been able to produce the mighty energies which they employed with such terrible effect, but that, going the other way, he had found a way to overcome them.

The glad news was quickly circulated throughout the civilized world. Luckily the Atlantic cables had not been destroyed by the Martians so that communication between the Eastern and Western continents was uninterrupted. It was a proud day for America. Even while the Martians had been upon the earth, carrying everything before them, demonstrating to the confusion of the most optimistic that there was no possibility of standing against them, a feeling—a confidence had manifested itself in France, to a minor extent in England, and particularly in Russia, that the Americans might discover means to meet and master the invaders.

Now, it seemed, this hope and expectation were to be realized. Too late, it is true, to a certain sense, but not too late to meet the new invasion which the astronomers had announced was immediately on its way. The effect was as wonderful and indescribable as that of the despondency which but a little while before had over-spread the world. One could almost hear

the universal sigh of relief which went up from humanity. To relief succeeded confidence so quickly does the human spirit recover from an elastic spring, when pressure is released.

"Let them come," was the almost joyous cry. "We shall be ready of them now. The Americans have solved the problem. Edison has placed the means of victory within our power."

Looking back upon that time now, I recall, with a thrill, the pride that stirred me at that thought that, after all, the inhabitants of the earth were a match for those terrible men from Mars, despite all the advantages which they had gained from their millions of years of prior civilization and science.

As good fortune, like bad, never comes singly, the news of Mr. Edison's discovery was quickly followed by additional glad tidings from that laboratory of marvels in the lap of the Orange mountains. During their conquest the Martians had astonished the inhabitants of the earth no less with their flying machines—which navigated our atmosphere as easily as they had that of the Martian atmosphere—than with their more destructive inventions. These flying machines in themselves had given them an enormous advantage in the contest. High above the devastation that they had caused to reign on the surface of the earth, and out of range of our guns, they had hung safe in the upper air. From the clouds they had dropped death upon the earth.

Now, rumor declared that Mr. Edison had invented and perfected a flying machine much more complete and manageable than that of the Martians had been. Wonderful stories quickly found their way into the newspapers concerning what Mr. Edison had already accomplished with the aid of his model electrical balloon. His laboratory was carefully guarded against the invasion of the curious, because he rightly felt that a premature announcement, which should promise more than could actually be fulfilled, would, at this critical juncture, plunge mankind back again into the gulf of despair, out of which it had just begun to emerge.

Nevertheless, inklings of the truth leaked out. The flying machine had been seen by many persons hovering by night high above the Orange hills and disappearing in the faint starlight as if it had some way into the depths of space, out of which it would re-emerge before the morning light had streaked the east, and be seen settling down again within the walls that surrounded the laboratory of the great inventor. At length the rumor, gradually spreading into a conviction, spread, that Edison himself, accompanied by a few scientific friends, had made an experimental trip to the moon. At a time when the spirit of mankind was less profoundly stirred, such a story would have been received with complete incredulity, but now rising on the wings of the new hope that was hatching upon the earth, this extraordinary rumor became a day star of truth to the nations.

And it was true. I had myself been one of the occupants of the car of the Star of Hope on that night when it silently left the earth, and rising out of the great shadow of the globe, sped on to the moon. We had landed upon the scarred and desolate face of the earth's satellite, and that there are greater and more interesting events the telling of which must not be delayed. I should undertake to describe the particulars of this first visit of men to another world.

But, as I have already intimated, this was only an experimental trip. By visiting this little near-by island in the ocean space, Mr. Edison simply wished to demonstrate the practicability of his invention, and to convince, first of all, himself, and his scientific friends that it was possible for man to make his way out and reach the earth at his will. That aim this experimental trip triumphantly attained.

It would carry me into technical details that would hardly interest the reader, to describe the mechanism of Mr. Edison's flying machine. Let it suffice to say that it depended upon the principle of electrical attraction and repulsion. By means of a most ingenious and complicated construction he had mastered the problem of how to produce a desired potential of any polarity, and that without danger to the experimenter or to the material experimented upon. It is gratifying, as everybody knows, that makes man a prisoner on the earth, that he could overcome or neutralize, gravitation he could float away, a free creature of interstellar space. Mr. Edison in his invention had pitted electricity against gravitation. Nature, in fact, had done the same thing long before. Every astronomer knew it, but none had been able to imitate or to reproduce this miracle of nature. When a comet approaches the sun, the orbit in which it travels indicates that it is moving under the impulse of the sun's gravitation. It is in reality falling in a great parabola, elliptical curve through space. But while a comet approaches the sun it begins to display—stretching out for millions, and sometimes hundreds of millions of miles on the side away from the sun—an immense luminous train called its tail. This train extends back into that part of space from which the comet is moving. Thus the sun at one and the same time is drawing the comet toward itself and driving off from the comet in an opposite direction minute particles of atoms which, instead of obeying the gravitational force, are simply compelled to disobey it. That this energy, which the sun exercises against its own gravitation is electrical in its nature, hardly anybody will doubt.

The head of the comet being comparatively heavy and massive, falls toward the sun, despite the electrical repulsion. But the atoms which form the tail, being almost without weight, yield to the electrical rather than to the gravitational influence and so fly away from the sun. Now, what Mr. Edison has done was, in effect, to create an electrical particle which might be compared to the tail of the atoms composing the tail of a comet, although in reality it was a kind of car, of metal, weighing some hundreds of pounds and capable of bearing some thousands of pounds with it in the light. By combining with the aid of the electrical generator contained in this car, an enormous charge of electricity, Mr. Edison was able to counterbalance, and a trifle more than counterbalance, the attraction of the earth, and thus cause the car to fly off from the earth as an electrified pinball flies from the prime conductor.

As we sat in the brilliantly lighted chamber that formed the interior of the

car, and where stores of compressed air had been provided together with chemical apparatus, by means of which fresh supplies of oxygen and nitrogen might be obtained for our consumption during the flight through space, Mr. Edison touched a polished button thus causing the generation of the required electrical charge on the exterior of the car, and immediately we began to rise.

The moment and direction of our flight had been so timed and prearranged that the original impulse would carry us straight toward the moon.

When we fell within the sphere of attraction of that orb it only became necessary to so manipulate the electrical charge upon our car as nearly, but not quite, to counterbalance the effect of the moon's attraction in order that we might gradually approach it without shock, upon its surface.

We did not remain to examine the wonders of the moon, although we could not fail to observe many curious things therein. Having demonstrated the fact that we could not only leave the earth, but could journey through space and safely land upon the surface of another planet, Mr. Edison's immediate purpose was fulfilled, and we hastened back to the earth, employing in leaving the moon simply a parabolic means in the world, the same means of control over the electrical attraction and repulsion between the respective planets and our car which I have already described.

When actual experiment had thus demonstrated the practicability of the invention, Mr. Edison no longer withheld the news of what he had been doing from the world. The telegraph lines and the ocean cables labored with the messages that in endless succession, and burdened with an infinity of details, were sent all over the earth. Everywhere the utmost enthusiasm was aroused.

"Let the Martians come," was the cry. "If necessary we can quit the earth as the Athenians fled from Athens, before the advancing hosts of Xerxes, and like them, take refuge upon our ships—these new ships of space, with which American inventiveness has furnished us."

And then, like a flash, some genius struck out an idea that fired the world. "Why should we wait? Why should we run the risk of having our cities destroyed and our lands desolated a second time? Let us go to Mars. We have the means. Let us beard the lion in his den. Let us ourselves turn conquerors and take possession of that detestable planet, and if

quick or slow, at his will, he could run through the whole gamut from the slow vibrations of sound in air up to the four hundred and twenty-five millions of millions of vibrations per second of the ultra rays.

Having obtained an instrument of such power, it only remained in order that the atoms composing that object should be set into violent undulation sufficient to burst it asunder and to scatter its molecules broadcast. This the inventor effected by a simple parabolic reflector by which the destructive waves could be sent like a beam of light, but invisible, in any direction and focused upon any desired point.

I had the good fortune to be present when this powerful engine of destruction was submitted to the first test. We had the apparatus on the roof of Mr. Edison's laboratory and the inventor held the little instrument, with its attached mirror, in his hand. We looked about for some object on which to try its powers. On the bare limb of a tree not far away, for it was late in the fall, sat a disconsolate crow.

"Good," said Mr. Edison. "That will do." He touched a button at the side of the instrument and a soft, whirling noise was heard.

"Feathers," said Mr. Edison. "Have a vibration period of three hundred and eighty-six million per second."

He adjusted an index as he spoke. Then, through a sighting tube, he aimed at the bird.

"Now watch," he said.

"Another soft whirr in the instrument, a momentary flash of light close around it, and behold, the crow had turned from black to white!"

"His feathers are gone," said the inventor. "They have been dissipated into the air, and the crow itself is now a mass of white atoms. Now, we will finish with the crow."

Instantly there was another adjustment of the index, another outburst of vibratory force, a rapid up and down motion of the index to include a certain range of vibrations, and the crow itself was gone—vanished in empty space! There was the bare twig on which a moment before it had stood. Behind, in the sky, was the white cloud against which the black form had been sharply outlined, but there was no more crow.

"That last device," said the inventor, "doesn't it?" said the wizard, "I have ascertained the vibration rate of all materials of which their war engines whose remains we have collected together are composed. They can be shattered into

necessary, destroy in order to relieve the earth of this perpetual threat which now hangs over us like the sword of Damocles."

II.

This enthusiasm would have had but little justification had Mr. Edison done nothing more than invent a machine which could navigate the atmosphere and reach the earth at his will. That aim this experimental trip triumphantly attained.

He had, however, and this fact was generally known, although the details had not yet leaked out—invented also machines of war intended to meet the utmost that the Martians could do for either offense or defense in the struggle which was now about to ensue.

It almost makes me smile when I recall the apparent simplicity, the exceeding compactness, the absurd littleness of the engine by whose aid Mr. Edison was about to settle upon the great globe of our world. But in art, as in nature, size does not, by any means, count for everything. It was the principle involved that gave to Mr. Edison's invention its marvelous efficiency.

Acting upon the hint which had been conveyed from various investigations in the domain of physics, and concentrating upon the problem of those unmatched cowers of intellect which distinguished him, the great inventor had succeeded in producing a little implement which one could carry in his hand, but which was more powerful than any battleship that ever floated upon the sea. The mechanism could not be easily explained without the use of tedious technicalities and the employment of terms, diagrams and mathematical statements, all of which would lie outside the scope of this narrative. But the principle of the thing was simple enough. It was upon the great and entire doctrine which we have since seen so completely and brilliantly developed, of the law of harmonic vibrations, extending from atoms and molecules at one end of the series up to worlds and suns at the other end, that Mr. Edison based his invention.

Every kind of substance has its own vibratory rhythm. That of iron differs from that of pine wood. The atoms of gold do not vibrate in the same time or through the same range as those of lead, and so on for all known substances, and all the chemical elements. So, on a larger scale, every massive body has its period of vibration. A great suspension bridge vibrates under impulse of forces that are applied to it, in long periods. No company of soldiers ever crossed such a bridge without breaking step. If they tramped together, and were followed by other companies keeping the same time with their feet, after a while the vibrations of the bridge would become so great and destructive that it would fall in pieces. So, any structure, if its vibratory rate is known, could easily be destroyed by a force applied to it in such a way that it should simply increase the swing of those vibrations up to the point of destruction.

Now, Mr. Edison had been able to ascertain the vibratory swing of many well-known bodies, and he had followed by other companies keeping the same time with their feet, after a while the vibrations of the bridge would become so great and destructive that it would fall in pieces. So, any structure, if its vibratory rate is known, could easily be destroyed by a force applied to it in such a way that it should simply increase the swing of those vibrations up to the point of destruction.

Now, Mr. Edison had been able to ascertain the vibratory swing of many well-known bodies, and he had followed by other companies keeping the same time with their feet, after a while the vibrations of the bridge would become so great and destructive that it would fall in pieces. So, any structure, if its vibratory rate is known, could easily be destroyed by a force applied to it in such a way that it should simply increase the swing of those vibrations up to the point of destruction.

The disintegrators were placed upon the roof of a neighboring building, so adjusted that their fields of destruction overlapped one another on the wall. Their indexes were all set to correspond with the vibration period of the peculiar kind of brick of which the wall consisted, and the energy was turned on, and a shout of wonder arose from the multitudes which had assembled at a safe distance to witness the experiment.

This wall did not fall; it did not break asunder; no fragments shot this way and that, and high in the air; there was no explosion, no shock or noise disturbed the still atmosphere—only a soft whirr, that seemed to pervade everything and to tingle in the nerves of the spectators; and—what had been no wall. The wall was gone! But high above and all around the place where it had hung over the streets with its threat of death there appeared, swiftly billowing outward in every direction, a faint, bluish cloud. It was the scattered atoms of the destroyed wall.

No further demonstration was needed. The enthusiasm that had been excited by the success of the airships was fairly cast into the shade by the outburst of joyous anticipations which greeted the success of Mr. Edison's invention for the destruction of the Martians.

And now the cry "On to Mars!" was heard from all sides. But for such an enterprise funds were needed—millions upon millions. Yet some of the fairest and richest portions of the earth had been impoverished by the frightful ravages of those enemies who had dropped down upon them from the skies. Still, the money must be had. The salvation of the planet, as everybody was now convinced, depended upon the successful negotiation of a gigantic war fund, in comparison with which all the expenditures in all the wars that had been waged by the nations for 2,000 years would be insignificant.

The electrical ships and the vibration engines must be constructed by scores and thousands. Only Mr. Edison's immense resources and unrivaled equipment had enabled him to make the models whose powers had been so satisfactorily shown. But to multiply these upon a war scale was not only beyond the resources of any individual, hardly a nation on the globe could have undertaken such a work. All the nations, then, must now conjoin. They must unite their resources, and, if necessary, exhaust all their hoards, in order to raise the needed sum.

Notations were once again, the United States naturally took the lead.

The disintegrators were placed upon the roof of a neighboring building, so adjusted that their fields of destruction overlapped one another on the wall. Their indexes were all set to correspond with the vibration period of the peculiar kind of brick of which the wall consisted, and the energy was turned on, and a shout of wonder arose from the multitudes which had assembled at a safe distance to witness the experiment.

This wall did not fall; it did not break asunder; no fragments shot this way and that, and high in the air; there was no explosion, no shock or noise disturbed the still atmosphere—only a soft whirr, that seemed to pervade everything and to tingle in the nerves of the spectators; and—what had been no wall. The wall was gone! But high above and all around the place where it had hung over the streets with its threat of death there appeared, swiftly billowing outward in every direction, a faint, bluish cloud. It was the scattered atoms of the destroyed wall.

No further demonstration was needed. The enthusiasm that had been excited by the success of the airships was fairly cast into the shade by the outburst of joyous anticipations which greeted the success of Mr. Edison's invention for the destruction of the Martians.

And now the cry "On to Mars!" was heard from all sides. But for such an enterprise funds were needed—millions upon millions. Yet some of the fairest and richest portions of the earth had been impoverished by the frightful ravages of those enemies who had dropped down upon them from the skies. Still, the money must be had. The salvation of the planet, as everybody was now convinced, depended upon the successful negotiation of a gigantic war fund, in comparison with which all the expenditures in all the wars that had been waged by the nations for 2,000 years would be insignificant.

The electrical ships and the vibration engines must be constructed by scores and thousands. Only Mr. Edison's immense resources and unrivaled equipment had enabled him to make the models whose powers had been so satisfactorily shown. But to multiply these upon a war scale was not only beyond the resources of any individual, hardly a nation on the globe could have undertaken such a work. All the nations, then, must now conjoin. They must unite their resources, and, if necessary, exhaust all their hoards, in order to raise the needed sum.

Notations were once again, the United States naturally took the lead.

The disintegrators were placed upon the roof of a neighboring building, so adjusted that their fields of destruction overlapped one another on the wall. Their indexes were all set to correspond with the vibration period of the peculiar kind of brick of which the wall consisted, and the energy was turned on, and a shout of wonder arose from the multitudes which had assembled at a safe distance to witness the experiment.

This wall did not fall; it did not break asunder; no fragments shot this way and that, and high in the air; there was no explosion, no shock or noise disturbed the still atmosphere—only a soft whirr, that seemed to pervade everything and to tingle in the nerves of the spectators; and—what had been no wall. The wall was gone! But high above and all around the place where it had hung over the streets with its threat of death there appeared, swiftly billowing outward in every direction, a faint, bluish cloud. It was the scattered atoms of the destroyed wall.

No further demonstration was needed. The enthusiasm that had been excited by the success of the airships was fairly cast into the shade by the outburst of joyous anticipations which greeted the success of Mr. Edison's invention for the destruction of the Martians.

And now the cry "On to Mars!" was heard from all sides. But for such an enterprise funds were needed—millions upon millions. Yet some of the fairest and richest portions of the earth had been impoverished by the frightful ravages of those enemies who had dropped down upon them from the skies. Still, the money must be had. The salvation of the planet, as everybody was now convinced, depended upon the successful negotiation of a gigantic war fund, in comparison with which all the expenditures in all the wars that had been waged by the nations for 2,000 years would be insignificant.

The electrical ships and the vibration engines must be constructed by scores and thousands. Only Mr. Edison's immense resources and unrivaled equipment had enabled him to make the models whose powers had been so satisfactorily shown. But to multiply these upon a war scale was not only beyond the resources of any individual, hardly a nation on the globe could have undertaken such a work. All the nations, then, must now conjoin. They must unite their resources, and, if necessary, exhaust all their hoards, in order to raise the needed sum.

Notations were once again, the United States naturally took the lead.

The disintegrators were placed upon the roof of a neighboring building, so adjusted that their fields of destruction overlapped one another on the wall. Their indexes were all set to correspond with the vibration period of the peculiar kind of brick of which the wall consisted, and the energy was turned on, and a shout of wonder arose from the multitudes which had assembled at a safe distance to witness the experiment.

This wall did not fall; it did not break asunder; no fragments shot this way and that, and high in the air; there was no explosion, no shock or noise disturbed the still atmosphere—only a soft whirr, that seemed to pervade everything and to tingle in the nerves of the spectators; and—what had been no wall. The wall was gone! But high above and all around the place where it had hung over the streets with its threat of death there appeared, swiftly billowing outward in every direction, a faint, bluish cloud. It was the scattered atoms of the destroyed wall.

No further demonstration was needed. The enthusiasm that had been excited by the success of the airships was fairly cast into the shade by the outburst of joyous anticipations which greeted the success of Mr. Edison's invention for the destruction of the Martians.

And now the cry "On to Mars!" was heard from all sides. But for such an enterprise funds were needed—millions upon millions. Yet some of the fairest and richest portions of the earth had been impoverished by the frightful ravages of those enemies who had dropped down upon them from the skies. Still, the money must be had. The salvation of the planet, as everybody was now convinced, depended upon the successful negotiation of a gigantic war fund, in comparison with which all the expenditures in all the wars that had been waged by the nations for 2,000 years would be insignificant.

The electrical ships and the vibration engines must be constructed by scores and thousands. Only Mr. Edison's immense resources and unrivaled equipment had enabled him to make the models whose powers had been so satisfactorily shown. But to multiply these upon a war scale was not only beyond the resources of any individual, hardly a nation on the globe could have undertaken such a work. All the nations, then, must now conjoin. They must unite their resources, and, if necessary, exhaust all their hoards, in order to raise the needed sum.

Notations were once again, the United States naturally took the lead.

and Queen Olga, of Greece; Abdul Hamid, of Turkey; Tsaitien, Emperor of China; Mutsuhito, the Japanese Mikado, with his beautiful Princess Harako; the President of France, the President of Switzerland, the First Syndic of the little republic of Andorra, perched on the crest of the Pyrenees, and the heads of the Central and South American republics, were coming to Washington to take part in the deliberations, which, it was felt, were to settle the fate of the earth and of Mars.

One day after this announcement had been received, and the additional news had come that nearly all the visiting monarchs had set out, attended by brilliant suites and conveyed by fleets of warships for their destination, some coming across the Atlantic to the port of New York, others across the Pacific to San Francisco, Mr. Edison said to me:

"This will be a fine spectacle, would you like to watch it?"

"Certainly," I replied.

The Ship of Space was immediately at our disposal. I think I have not yet mentioned the fact that the inventor's control over the electrical generator carried in the car was so perfect that by varying the potential or changing the polarity he could cause it slowly or swiftly, as might be desired, to approach or recede from any object. The only practical difficulty was presented when the polarity of the electrical charge upon an object in the neighborhood of the car was unknown to those in the car, and happened to be opposite to that of the charges which the car, at that particular moment, was bearing. In such a case, of course, the car would fly toward the object, whatever it might be, like a ball or a feather, attracted to the knob of an electrical machine. In this way, considerable danger was occasionally encountered, and a few accidents could not be avoided. Fortunately, however, such cases were rare. It was only now and then that, owing to some local cause, electrical polarities unknown to or unexpected by the navigators, endangered the safety of the car. As I shall have occasion to relate, however, in the course of the narrative, this danger became more acute and assumed at times a most formidable phase, when we had ventured outside the sphere of the earth and were moving through the unexplored regions beyond.

On this occasion, having embarked, we rose rapidly to a height of some thousands of feet and directed our course westward, and the huge funnels belching forth, in the distance, steaming westward, the smoke of several fleets. As we drew nearer a marvelous spectacle unfolded itself to our eyes. From the northeast great great guns flashing in the sunlight, and the huge funnels belching forth volumes that rested like thunder-bolts upon the sea, came the mighty warships of England, with their meteor flag streaming red in the breeze, while the royal ensigns, indicating the presence of the ruler of the British Empire, were conspicuously displayed upon the flagships of the squadron.

Following a course more directly westward, appeared, under another black cloud of smoke, the hulls and guns and burgons of another great fleet, bearing the tri-color of France, and carrying in its midst the head of the magnificent republic of western Europe.

Further south, beating up against the northern winds, came a third fleet with the gold and red of Spain fluttering from its masthead. This too, was carrying its star westward, where, indeed, the star of empire had taken its way.

Rising a little higher, so as to extend our horizon, we saw coming down the English channel, behind the British fleet, the black ships of Russia, side by side, or following one another's lead, these war fleets were on a peaceful voyage of peace, their threatening appearance. There had been no thought of danger to or from the forts and ports of rival nations which they had passed. There was no enmity, and no fear between them when the throats of their ponderous guns yawned at one another across the sea. They were now, in fact, all one fleet, having one object, bearing against one enemy, ready to defend but one country, and that country was the entire earth.

It was some time before we caught sight of the Emperor William's fleet. It seems that the Kaiser, although at first consenting to the arrangement by which Washington had been selected as the assembling place for the nations, afterwards objected to it.

"I ought to do this thing myself," he had said. "My glorious ancestors would never have consented to allow themselves to be beaten by a foreigner in a warlike enterprise of this kind. What would my grandfather have said to it? I suspect that it is some scheme aimed at the divine rights of kings."

But the good sense of the German people would not suffer their ruler to place them in a position so false and so humiliating as that of the Potomac. But when war had been declared, his enthusiasm the Kaiser had at last consented to embark on his flagship at Kiel, and now he was following the other fleets

and their leadership was never for a moment questioned abroad.

Washington was selected as the place of meeting for a great congress of the nations. Washington, luckily, had not been one of the places which had been touched by the Martians, but it had been alone, and every hotel so great as to be a little city in itself, it would have been utterly insufficient for the accommodation of the innumerable throngs which now flocked to the banks of the Potomac. But when war had been declared, his enthusiasm the Kaiser had at last consented to embark on his flagship at Kiel, and now he was following the other fleets

and their leadership was never for a moment questioned abroad.

Washington was selected as the place of meeting for a great congress of the nations. Washington, luckily, had not been one of the places which had been touched by the Martians, but it had been alone, and every hotel so great as to be a little city in itself, it would have been utterly insufficient for the accommodation of the innumerable throngs which now flocked to the banks of the Potomac. But when war had been declared, his enthusiasm the Kaiser had at last consented to embark on his flagship at Kiel, and now he was following the other fleets

and their leadership was never for a moment questioned abroad.

Washington was selected as the place of meeting for a great congress of the nations. Washington, luckily, had not been one of the places which had been touched by the Martians, but it had been alone, and every hotel so great as to be a little city in itself, it would have been utterly insufficient for the accommodation of the innumerable throngs which now flocked to the banks of the Potomac. But when war had been declared, his enthusiasm the Kaiser had at last consented to embark on his flagship at Kiel, and now he was following the other fleets

and their leadership was never for a moment questioned abroad.

Washington was selected as the place of meeting for a great congress of the nations. Washington, luckily, had not been one of the places which had been touched by the Martians, but it had been alone, and every hotel so great as to be a little city in itself, it would have been utterly insufficient for the accommodation of the innumerable throngs which now flocked to the banks of the Potomac. But when war had been declared, his enthusiasm the Kaiser had at last consented to embark on his flagship at Kiel, and now he was following the other fleets

and their leadership was never for a moment questioned abroad.

Washington was selected as the place of meeting for a great congress of the nations. Washington, luckily, had not been one of the places which had been touched by the Martians, but it had been alone, and every hotel so great as to be a little city in itself, it would have been utterly insufficient for the accommodation of the innumerable throngs which now flocked to the banks of the Potomac. But when war had been declared, his enthusiasm the Kaiser had at last consented to embark on his flagship at Kiel, and now he was following the other fleets

and their leadership was never for a moment questioned abroad.

Washington was selected as the place of meeting for a great congress of the nations. Washington, luckily, had not been one of the places which had been touched by the Martians, but it had been alone, and every hotel so great as to be a little city in itself, it would have been utterly insufficient for the accommodation of the innumerable throngs which now flocked to the banks of the Potomac. But when war had been declared, his enthusiasm the Kaiser had at last consented to embark on his flagship at Kiel, and now he was following the other fleets

and their leadership was never for a moment questioned abroad.

and Queen Olga, of Greece; Abdul Hamid, of Turkey; Tsaitien, Emperor of China; Mutsuhito, the Japanese Mikado, with his beautiful Princess Harako; the President of France, the President of Switzerland, the First Syndic of the little republic of Andorra, perched on the crest of the Pyrenees, and the heads of the Central and South American republics, were coming to Washington to take part in the deliberations, which, it was felt, were to settle the fate of the earth and of Mars.

One day after this announcement had been received, and the additional news had come that nearly all the visiting monarchs had set out, attended by brilliant suites and conveyed by fleets of warships for their destination, some coming across the Atlantic to the port of New York, others across the Pacific to San Francisco, Mr. Edison said to me:

"This will be a fine spectacle, would you like to watch it?"

"Certainly," I replied.

The Ship of Space was immediately at our disposal. I think I have not yet mentioned the fact that the